

FIG. 1(A)

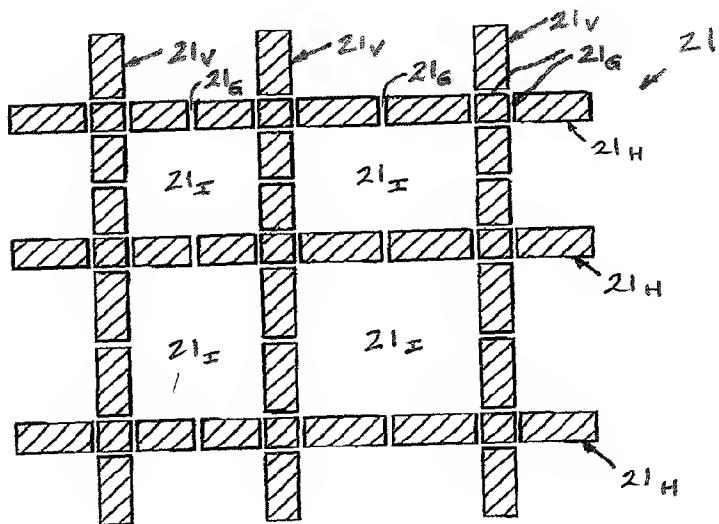


FIG. 1(B)

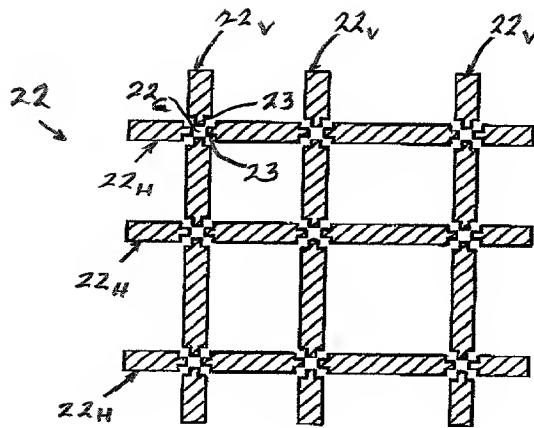


FIG. 2(A)

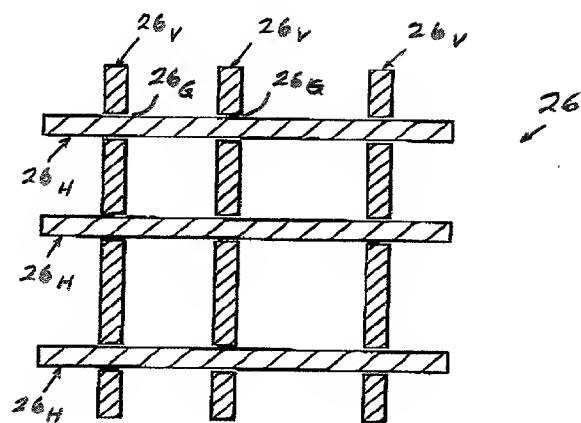


FIG. 2(C)

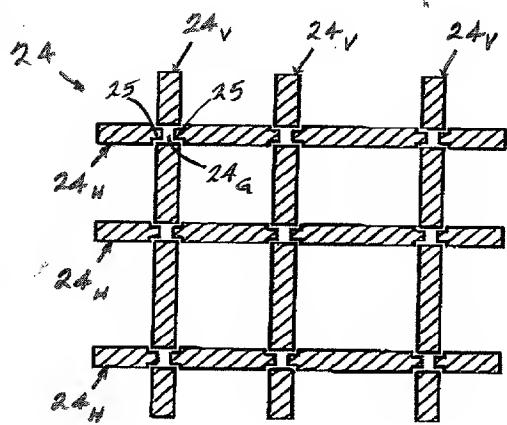


FIG. 2(B)

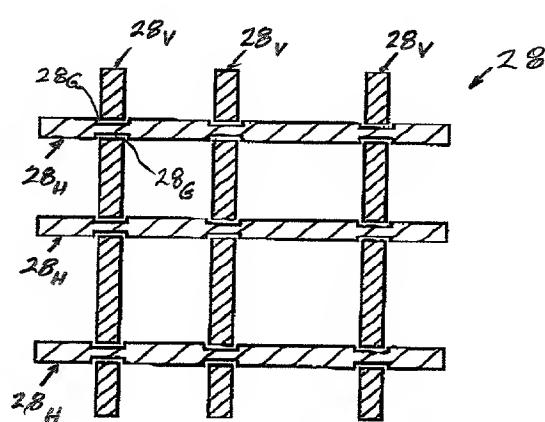


FIG. 2(D)

Donald L. Stephens, Jr
Our Ref No 4641-61268
Express Mail Label No EL761160623US
For ALIGNMENT-MARK PATTERNS DEFINED ON A STENCIL
RETICLE AND DETECTABLE, AFTER LITHOGRAPHIC
TRANSFER TO A SUBSTRATE, USING AN OPTICAL-BASED
DETECTOR
Inventor(s) Jin Udagawa & Noriyuki Hirayama
Date of Deposit 11/29/2001

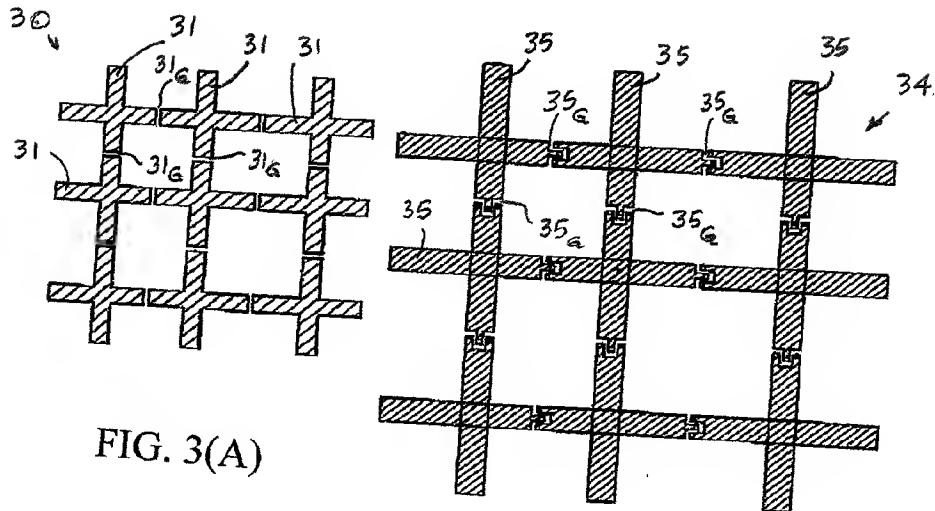


FIG. 3(A)

FIG. 3(C)

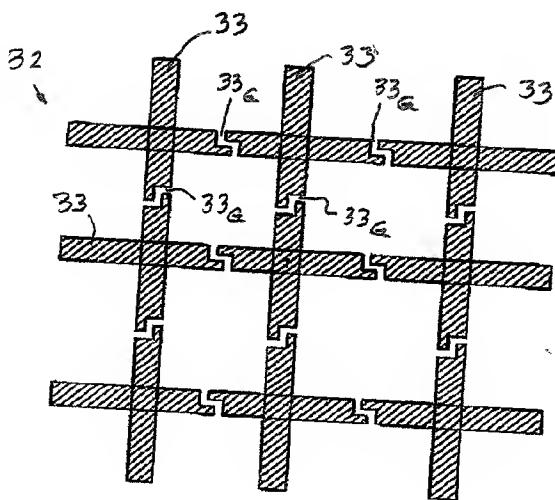


FIG. 3(B)

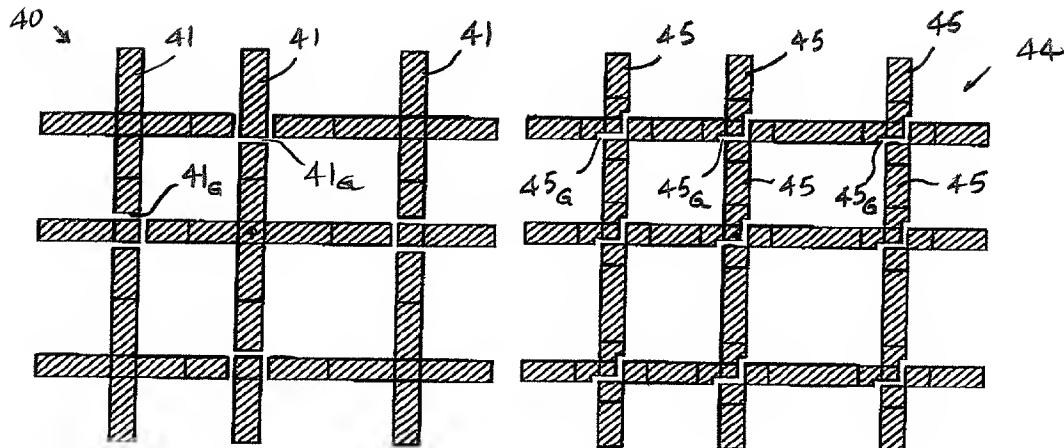


FIG. 4(A)

FIG. 4(C)

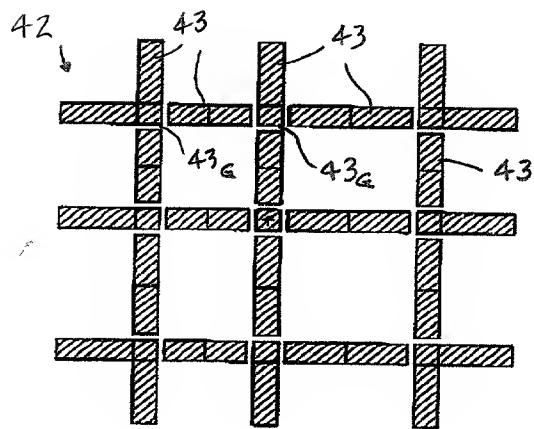


FIG. 4(B)

FIG. 5(A)

FIG. 5(C)

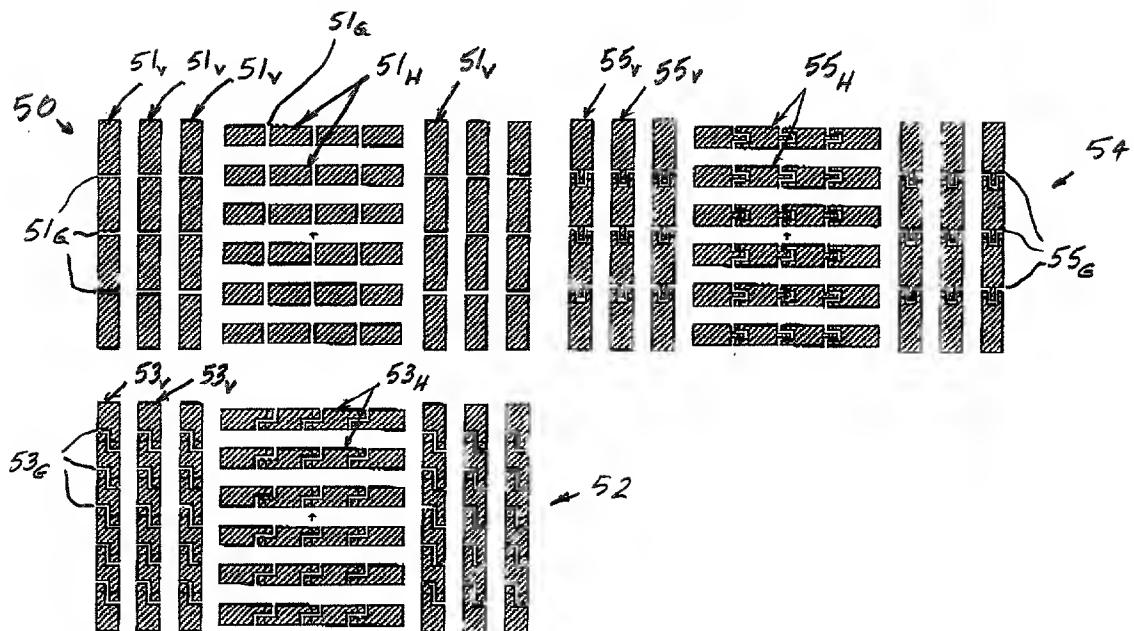


FIG. 5(B)

【FIG. 6】

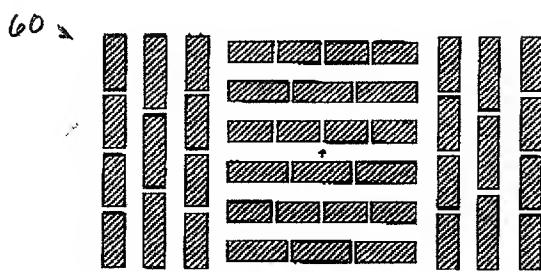


FIG. 6(A)

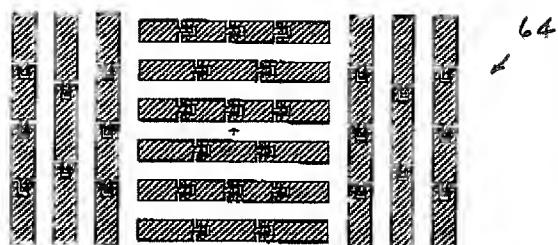


FIG. 6(C)

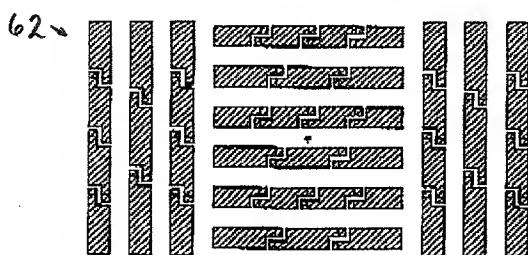


FIG. 6(B)

Donald L. Stephens, Jr.
Our Ref No. 4641-61268
Express Mail Label No EL761160623US
For ALIGNMENT-MARK PATTERNS DEFINED ON A STENCIL
RETICLE AND DETECTABLE, AFTER LITHOGRAPHIC
TRANSFER TO A SUBSTRATE, USING AN OPTICAL-BASED
DETECTOR
Inventor(s) Jin Udagawa & Noriyuki Hirayangai
Date of Deposit 11/29/2001

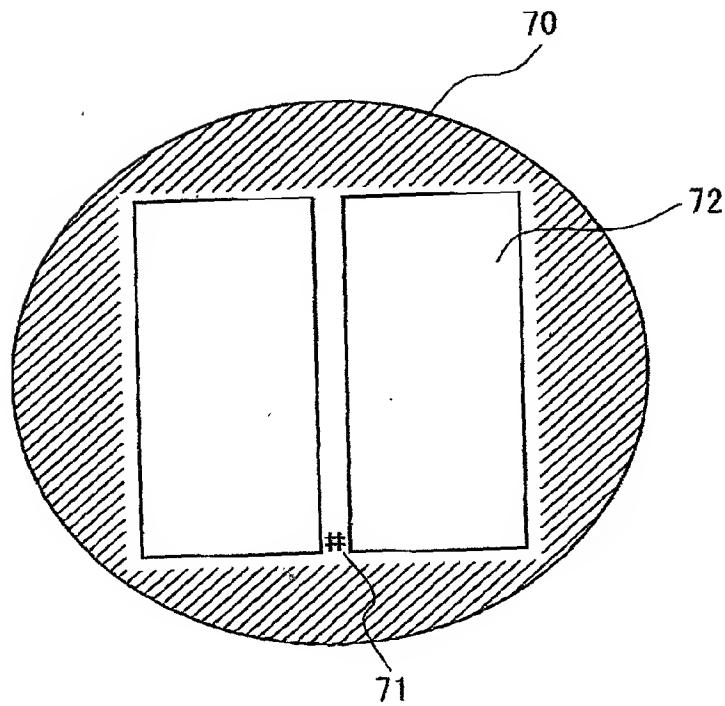


FIG. 7

Donald L. Stephens, Jr.
Our Ref No 4641-61268
Express Mail Label No EL761160623US
For ALIGNMENT-MARK PATTERNS DEFINED ON A STENCIL
RETICLE AND DETECTABLE, AFTER LITHOGRAPHIC
TRANSFER TO A SUBSTRATE, USING AN OPTICAL-BASED
DETECTOR
Inventor(s) Jin Udagawa & Noriyuki Hirayangi
Date of Deposit 11/29/2001

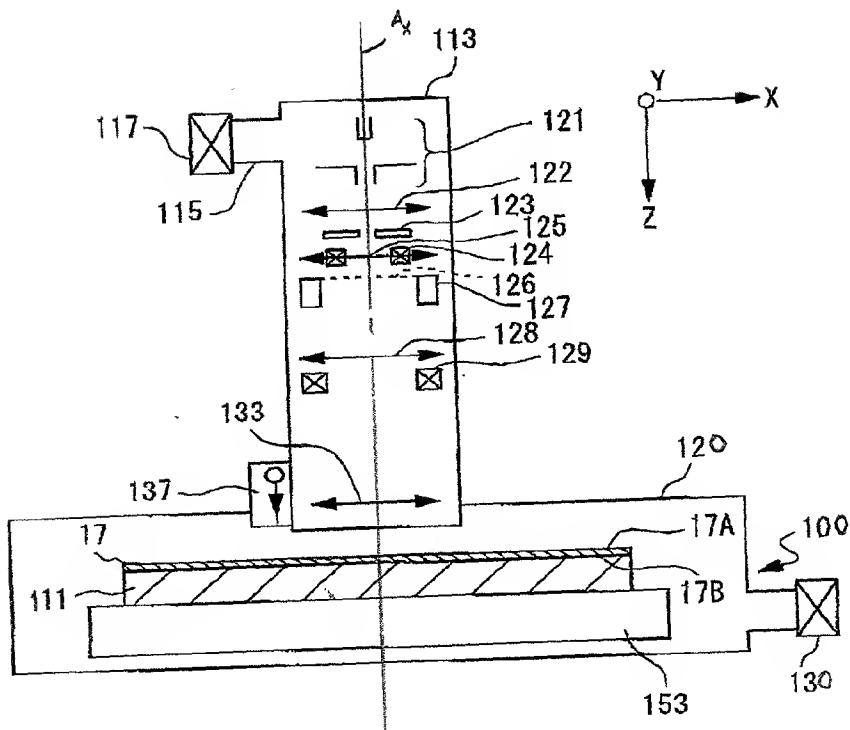


FIG. 8

Donald L. Stephens, Jr
Our Ref No 4641-61268
Express Mail Label No EL761160623US
For ALIGNMENT-MARK PATTERNS DEFINED ON A STENCIL
RETICLE AND DETECTABLE, AFTER LITHOGRAPHIC
TRANSFER TO A SUBSTRATE, USING AN OPTICAL-BASED
DETECTOR
Inventor(s) Jin Udagawa & Noriyuki Hirayanagi
Date of Deposit 11/29/2001

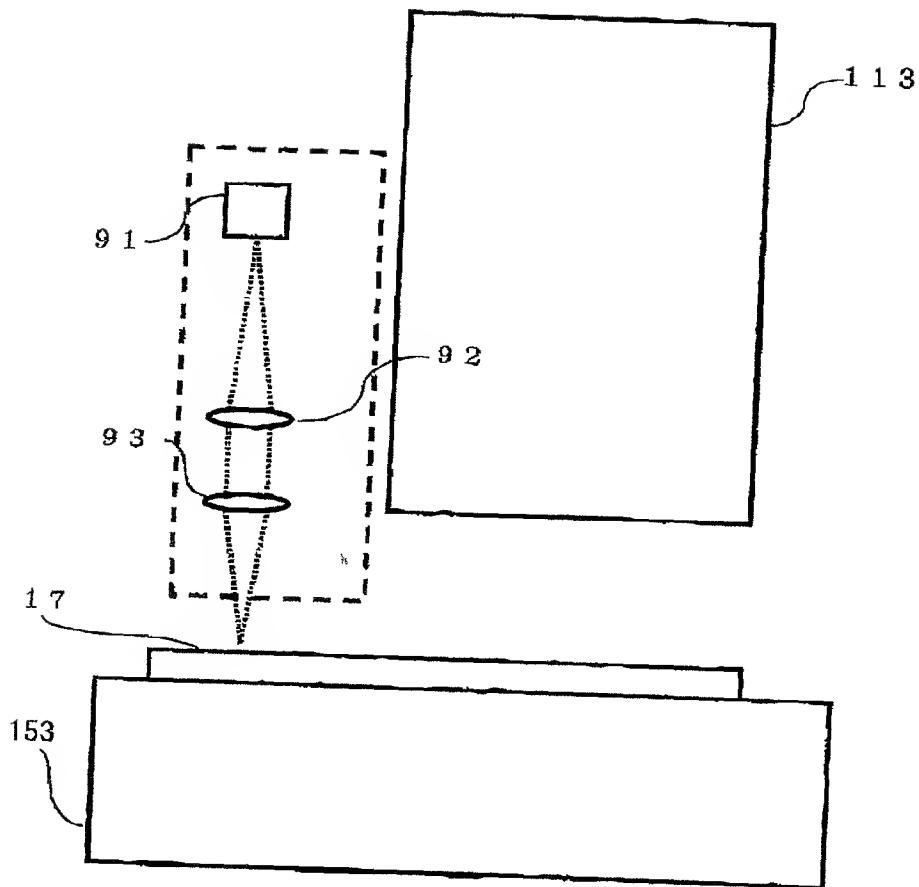


FIG. 9

Donald L. Stephens, Jr.
Our Ref No 4641-61268
Express Mail Label No EL761160623US
For ALIGNMENT-MARK PATTERNS DEFINED ON A STENCIL
RETICLE AND DETECTABLE, AFTER LITHOGRAPHIC
TRANSFER TO A SUBSTRATE, USING AN OPTICAL-BASED
DETECTOR
Inventor(s) Jin Udagawa & Noriyuki Hirayanagi
Date of Deposit 11/29/2001

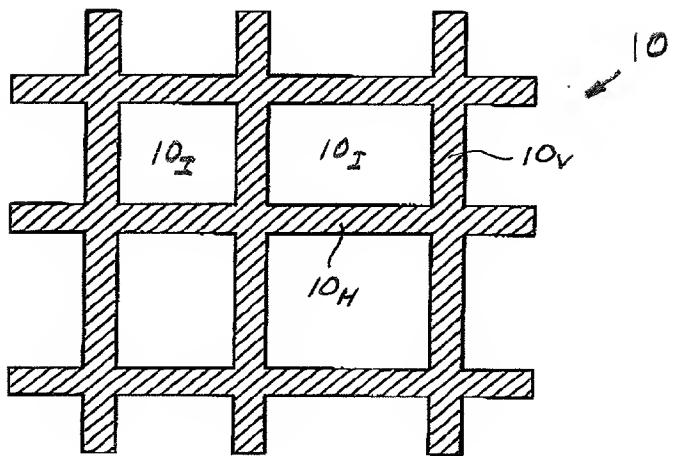


FIG. 10(A)
PRIOR ART

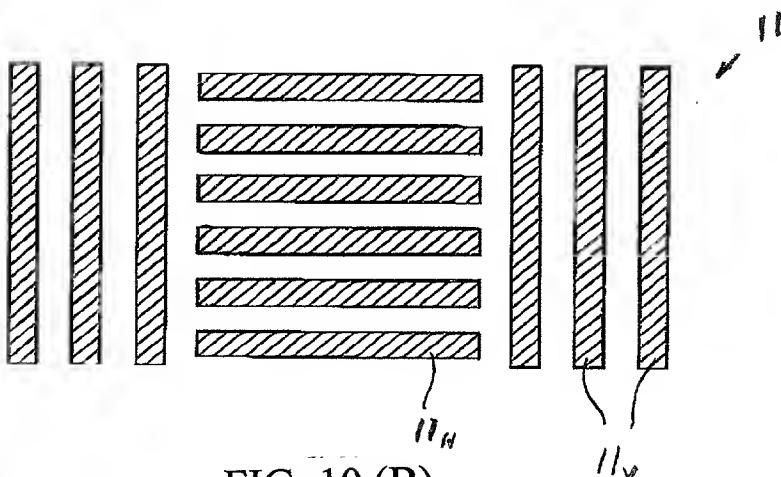


FIG. 10 (B)
PRIOR ART